



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-organophosphate [12C2] Bulk Size Ab04226-30.11-BT

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** scFv fragment (His), ScFv

**Clone Number:** 12C2

**Alternative Name(s) of Target:** phosphate esters; OPEs; O,O-diethyl organophosphorus pesticides; O,O-diethyl OPs

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Specie independent

**Immunogen:** The original antibody was generated by immunizing mice with 4-(diethoxyphosphorothioxy)benzoic acid.

**Specificity:** The antibody is specific for organophosphate.

**Application Notes:** The specificity of the original format of the antibody was confirmed by competitive indirect ELISA analysis (Xu et al. 2010; PMID: 20958019). The original format of the antibody was linked to alkaline phosphatase (scFv-AP) and employed to develop a competitive direct enzyme-linked immunosorbent assay (cdELISA) for O,O-diethyl OPs in environmental and agricultural samples (Xu et al. 2012; PMID: 22533788).

**Antibody First Published in:** Xu et al. Broad-specificity immunoassay for O,O-diethyl organophosphorus pesticides: application of molecular modeling to improve assay sensitivity and study antibody recognition *Anal Chem.* 2010 Nov 15;82(22):9314-21. doi: 10.1021/ac1018414. Epub 2010 Oct 19. [PMID:20958019](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.